



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

March 25, 2022

Mandy Styles  
Registration Manager  
Drexel Chemical Company  
P.O. Box 13327  
Memphis, TN 38113-0327

Subject: Registration Review Label Mitigation for Bromacil  
Product Name: CHAPMAN BROMACIL 4P  
EPA Registration Number: 19713-201  
Application Date: October 29, 2020  
Decision Number: 567405

Dear Ms. Styles:

The Agency, in accordance with the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, has completed reviewing all the information submitted with your application to support the Registration Review of the above referenced product in connection with the Bromacil Interim Decision, and has concluded that your submission is acceptable. The label referred to above, submitted in connection with registration under FIFRA, as amended, is acceptable.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Compliance.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. You must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 12 months from the date of this letter. After 12 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Page 2 of 2  
EPA Reg. No. 19713-201  
Decision No. 567405

If you have any questions about this letter, please contact Marisa Wright by phone at 202-566-2335, or via email at [wright.marisa@epa.gov](mailto:wright.marisa@epa.gov).

Sincerely,

A handwritten signature in blue ink, appearing to read "Linda Arrington".

Linda Arrington, Branch Chief  
Risk Management and Implementation Branch 4  
Pesticide Re-Evaluation Division  
Office of Pesticide Programs

Enclosure

**ACCEPTED**

Mar 25, 2022

Under the Federal Insecticide, Fungicide and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 19713-201

BROMACIL

GROUP

5

HERBICIDE

**Drexel**

# ***Bromacil 4P***

A Non-Selective Weed and Grass Killer

For dry application only in non-croplands including Highways, Industrial plant sites, Lumberyards, Petroleum tank farms, Pipelines, Railroads, Rights-of-way, Storage areas, and around Farm buildings.

**ACTIVE INGREDIENT:**

Bromacil (5-bromo-3-sec-butyl-6-methyluracil)..... 4.0%

**OTHER INGREDIENTS:**..... 96.0%

**TOTAL:** ..... 100.0%

## **KEEP OUT OF REACH OF CHILDREN CAUTION**

[See **FIRST AID** Below]

[See Side (Back) Panel for **FIRST AID**]; [See Page \_\_\_ for **FIRST AID**]

[See Container Labeling for (**FIRST AID** and) Complete Directions for Use]

[See (Attached) Booklet (Container Labeling) for Complete Directions for Use]

EPA Reg. No. 19713-201

EPA Est. No. 19713-XX-XXX

Net Content: \_\_\_(Lb.) (Oz.) (\_\_\_ Kg)

### **FIRST AID**

**IF IN EYES:**

- Hold eye open and rinse slowly and gently with water for 15 to 20 minutes.
- Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.
- Call a poison control center or doctor for treatment advice.

**IF ON SKIN OR CLOTHING:**

- Take off contaminated clothing.
  - Rinse skin immediately with plenty of water for 15 to 20 minutes.
- Call a poison control center or doctor for treatment advice.

**IF INHALED:**

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible.
- Call a poison control center or doctor for further treatment advice.

**IF SWALLOWED:**

- Call a poison control center or doctor immediately for treatment advice.
- Have person sip a glass of water if able to swallow.
- Do not induce vomiting unless told to do so by a poison control center or doctor.
- Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a poison control center or doctor or going for treatment. You may also call CHEMTREC 800-424-9300 for emergency medical treatment information.

Manufactured By:

**Drexel Chemical Company**

P.O. BOX 13327, MEMPHIS, TN 38113-0327

**SINCE 1972**

201SP-0221\*P

## PRECAUTIONARY STATEMENTS

### Hazards To Humans And Domestic Animals

**CAUTION:** May cause irritation of eyes, nose, throat and skin. Harmful if swallowed. Avoid breathing dust. Avoid contact with eyes, skin, clothing. This product may cause skin sensitization reactions in some people.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

**Handlers must wear:** A minimum of long pants, long-sleeved shirt, shoes and socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

## USER SAFETY RECOMMENDATIONS

**Users should:** 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) Remove clothing/PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## ENVIRONMENTAL HAZARDS

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply on or near valuable woody or herbaceous plants or on areas where their roots extend, because of possible injury to such plants. Thoroughly clean spreading equipment with a suitable chemical cleaner before using for other purposes (or do not use same spreading equipment for other purposes). Do not contaminate water when disposing equipment washwaters or rinsate.

## NON-TARGET ORGANISMS ADVISORY STATEMENT

This product is toxic to plants and may adversely impact the forage and habitat of non-target organisms, including pollinators in areas adjacent to the treated site. Protect the forage and habitat of non-target organisms by following label directions intended to minimize drift.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

## PRODUCT INFORMATION

BROMACIL 4P is a granular non-selective weed killer designed to be applied dry to the surface of the ground to control weeds. The kill of weeds may be slow as the chemical is absorbed through roots of weeds and must be carried to the root zone by moisture. The degree of control and duration of effects will vary with the amount of chemical applied, soil type, rainfall and other conditions.

**ENTRY RESTRICTION:** Do not enter or allow others to enter treated area until dusts have settled.

## APPLICATION RESTRICTIONS:

- Do not use in residential area.
- Aerial application of this product is prohibited.
- Not to be used in any recreational areas or in or around homes.

## HERBICIDE RESISTANCE MANAGEMENT

BROMACIL	GROUP	5	HERBICIDE
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For resistance management, this product is a Group 5 mode of action herbicide. Any weed population may contain or develop plants naturally resistant to this product and other Group 5 mode of action herbicides. The resistant biotypes may dominate the weed population if these herbicides are used repeatedly in the same field. Appropriate resistance management strategies should be followed.

To delay herbicide resistance, take one or more of the following steps:

- Rotate the use of this product or other Group 5 herbicides within a growing season sequence or among growing seasons with different herbicide groups that control the same weeds in a field.
- Use tank-mixtures with herbicides from a different group if such use is permitted; where information on resistance in target weed species is available, use the less resistance-prone partner at a rate that will control the target weed(s)

equally as well as the more resistance-prone partner. Consult your local extension service or certified crop advisor if you are unsure as to which active ingredient is currently less prone to resistance.

- Adopt an integrated weed-management program for herbicide use that includes scouting and uses historical information related to herbicide use and crop rotation, and that considers tillage (or other mechanical control methods), cultural ( e.g., higher crop seeding rates; precision fertilizer application method and timing to favor the crop and not the weeds), biological (weed-competitive crops or varieties) and other management practices.
- Scout after herbicide application to monitor weed populations for early signs of resistance development. Indicators of possible herbicide resistance include: (1) failure to control a weed species normally controlled by the herbicide at the dose applied, especially if control is achieved on adjacent weeds; (2) a spreading patch of non-controlled plants of a particular weed species; (3) surviving plants mixed with controlled individuals of the same species. If resistance is suspected, prevent weed seed production in the affected area by an alternative herbicide from a different group or by a mechanical method such as hoeing or tillage. Prevent movement of resistant weed seeds to other fields by cleaning harvesting and tillage equipment when moving between fields, and planting clean seed.
- If a weed pest population continues to progress after treatment with this product, discontinue use of this product, and switch to another management strategy or herbicide with a different mode of action, if available.
- Contact your local extension specialist or certified crop advisors for additional pesticide resistance-management and/or integrated weed-management recommendations for specific crops and weed biotypes.
- For further information or to report suspected resistance, contact Drexel Chemical Company representatives at (901) 774-4370.

## **APPLICATION DIRECTIONS**

Before applying this product, measure area to be treated and select the rate per acre desired to obtain the amount needed for treatment. Calibrate over a small area and get even coverage with the rate per acre selected. A seeder or granular herbicide applicator may be used.

### **USE RESTRICTION**

The maximum application rate for this product is 10.8 ounce per 100 square feet (300 lb/A) (12 lb. a.i./A).

### **WEED CONTROL**

To control most annual and perennial weeds and grasses including Bahiagrass, Bermudagrass, Crabgrass, Dallisgrass, Dogfennel, Foxtails, Goldenrod, Johnsongrass, Lambsquarters, Nutsedge, Plantain, Ragweed and Vaseygrass in non-croplands including Highways, Industrial plant sites, Lumberyards, Petroleum tank farms, Pipelines, Railroads, Rights-of-way, Storage areas, and around Farm buildings, apply 300 pounds of this product per acre (12 lb. a.i./A).

Make application just before or during the period of active growth of weeds. For best results, clear vegetation before treatment. This reduces the fire hazard posed by dead weeds and aids in getting more even coverage of the area.

**Note:** Take special precaution against application in the root areas of valuable trees of plants because of possible injury.

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store pesticide in the original container in cool, dry place.

**PESTICIDE DISPOSAL:** To avoid waste, use all materials in the container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often, such programs are run by state or local governments or by industry).

### **CONTAINER HANDLING:**

**Nonrefillable Container (flexible-bag-all weights):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (rigid-fifty lbs. or less):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Nonrefillable Container (rigid-greater than fifty lbs.):** Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container one-fourth full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**Refillable Container:** Refillable container. Refill this container with this product only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

## WARRANTY—CONDITIONS OF SALE

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith. To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

Manufactured By:



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